

## Multi-Protocol RS485/RS422/RS232/MANCHESTER Data System - Single Channel – Single Fiber

### FEATURES:

- ◆ Multi-protocol Data – switch selectable as RS-485 (2 or 4 wire), RS-422, RS-232 or Manchester Code
- ◆ DC to 115 Kb/s
- ◆ Activity Indicators for Data Tx and Rx for each Channel

### SPECIFICATIONS:

#### DATA:

Interface.....Selectable Multi-protocol  
Choice of: RS-485 (2 or 4 wire),  
RS-422,  
RS-232, or  
Manchester Code

Format.....Asynchronous  
Rate.....DC to 115 Kbit/s  
Connector.....Terminal Block

#### OPTICAL:

Wavelength:..... 1310/1550 nm  
Source: ..... Laser  
Loss Budget (9/125u)..... 18 dB  
Connector:.....SC/ST

#### POWER:

Voltage ..... 12 VDC  
Current ..... 200 mA  
Connector.....2 Pin Terminal Block

#### Power Supply:

Module 12VDC (AFI Part #: PS-12)  
Rack Card (AFI Part #: SR-20/2)

#### PHYSICAL:

Temperature.....-40 °C to 75 °C  
Humidity .....5 % to 95 %

#### Size:

Module..... 4¼" x 4¼" x 1⅛"  
Rack Card - One Slot 6½" x 5" x 1"



The American Fibertek 480SL Series transmits and receives one simultaneous channel of data over a single singlemode optical fiber. The system is comprised of two transceivers forming a point-to-point communications link. The system is designed to be completely transparent to data protocol and can be configured as RS-485 (2 wire or 4 wire), RS-422, RS-232 or Manchester Code. For ease of installation, diagnostic indicators provide a quick visual indication of system status.

Equipment may be ordered as stand alone modules or rack cards that are mounted in the American Fibertek Card Cages; SR-20/2 or SR-20H/2 (with redundancy).

### ORDERING INFORMATION:

MTX-480SL = One Fiber Module Singlemode SC Connectors 1310nm Tx  
MRX-480SL = One Fiber Module Singlemode SC Connectors 1550nm Tx  
RTX-480SL = One Fiber Rack Card Singlemode SC Connectors 1310nm Tx  
RRX-480SL = One Fiber Rack Card Singlemode SC Connectors 1550nm Tx

MX-480SL = Two Fiber Module Singlemode SC Connectors 1310nm Tx  
RX-480SL = Two Fiber Rack Card Singlemode SC Connectors 1310nm Tx

To order units with ST Connectors :  
Add -ST to the part number such as MTX-480SL-ST